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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/773,427	02/09/2004	Juan-Antonio Carballo	AUS920020446US1	6595	
46073 IBM CORPOR	7590 03/20/200 ATION (VE)	EXAMINER			
C/O VOLEL E	MILE	CHANG, DANIEL D			
P. O. BOX 1624 AUSTIN, TX 7	= :	ART UNIT	PAPER NUMBER		
			2819		
			MAIL DATE	DELIVERY MODE	
			03/20/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		A	Application No.		Applicant(s)			
		1	0/773,427		CARBALLO ET AL.			
Office Action Summary			xaminer		Art Unit			
		Da	aniel D. Chang		2819			
Period fo	The MAILING DATE of this commur or Reply	nication appear	s on the cover s	heet with the co	orrespondence ad	dress		
A SH WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE IN Insions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this coming period for reply is specified above, the maximum is reto reply within the set or extended period for reply reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	MAILING DATE s of 37 CFR 1.136(a) munication. tatutory period will ap y will, by statute, caus	E OF THIS CON In no event, however ply and will expire SI se the application to be	MMUNICATION er, may a reply be time X (6) MONTHS from the decome ABANDONED	ely filed he mailing date of this co (35 U.S.C. § 133).	•		
Status								
1) 又	Responsive to communication(s) file	ed on 09 Febru	uary 2004					
2a)□	This action is FINAL . 2b) ☐ This action is non-final.							
3)		<i>′</i> —			secution as to the	merits is		
- / 🗀	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)⊠	Claim(s) <u>1-6 and 18-20</u> is/are pendi	ng in the appli	cation.					
•	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
'=	Claim(s) <u>1-3 and 18-20</u> is/are reject	ed.						
	Claim(s) <u>4-6</u> is/are objected to.							
	Claim(s) are subject to restrict	ction and/or ele	ection requirem	ent.				
Applicati	on Papers							
9) 又	The specification is objected to by th	ne Examiner						
,—			ı)⊠ accepted c	or b)□ objected	I to by the Examir	ner.		
. 9/23	10)☑ The drawing(s) filed on <u>09 February 2004</u> is/are: a)☑ accepted or b)☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.85(a).								
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
,—	ınder 35 U.S.C. § 119	·						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	t(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date Notice of Informal Patent Application								
	Paper No(s)/Mail Date <u>2/9/2004</u> .							
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Priority

It is noted that this application appears to claim subject matter disclosed in prior Application No. 10/255471, filed 9/26/2002. A reference to the prior application must be inserted as the first sentence(s) of the specification of this application or in an application data sheet (37 CFR 1.76), if applicant intends to rely on the filing date of the prior application under 35 U.S.C. 119(e), 120, 121, or 365(c). See 37 CFR 1.78(a). For benefit claims under 35 U.S.C. 120, 121, or 365(c), the reference must include the relationship (i.e., continuation, divisional, or continuation-in-part) of all nonprovisional applications. If the application is a utility or plant application filed under 35 U.S.C. 111(a) on or after November 29, 2000, the specific reference to the prior application must be submitted during the pendency of the application and within the later of four months from the actual filing date of the application or sixteen months from the filing date of the prior application. If the application is a utility or plant application which entered the national stage from an international application filed on or after November 29, 2000, after compliance with 35 U.S.C. 371, the specific reference must be submitted during the pendency of the application and within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) or sixteen months from the filing date of the prior application. See 37 CFR 1.78(a)(2)(ii) and (a)(5)(ii). This time period is not extendable and a failure to submit the reference required by 35 U.S.C. 119(e) and/or 120, where applicable, within this time period is considered a waiver of any benefit of such prior application(s) under 35 U.S.C. 119(e), 120, 121 and 365(c). A benefit claim filed after the required time period may be accepted if it is accompanied by a grantable petition to accept an unintentionally delayed benefit claim under 35 U.S.C. 119(e), 120, 121 and 365(c). The petition

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must be accompanied by (1) the reference required by 35 U.S.C. 120 or 119(e) and 37 CFR 1.78(a)(2) or (a)(5) to the prior application (unless previously submitted), (2) a surcharge under 37 CFR 1.17(t), and (3) a statement that the entire delay between the date the claim was due under 37 CFR 1.78(a)(2) or (a)(5) and the date the claim was filed was unintentional. The Director may require additional information where there is a question whether the delay was unintentional. The petition should be addressed to: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If the reference to the prior application was previously submitted within the time period set forth in 37 CFR 1.78(a), but not in the first sentence(s) of the specification or an application data sheet (ADS) as required by 37 CFR 1.78(a) (e.g., if the reference was submitted in an oath or declaration or the application transmittal letter), and the information concerning the benefit claim was recognized by the Office as shown by its inclusion on the first filing receipt, the petition under 37 CFR 1.78(a) and the surcharge under 37 CFR 1.17(t) are not required.

Applicant is still required to submit the reference in compliance with 37 CFR 1.78(a) by filing an amendment to the first sentence(s) of the specification or an ADS. See MPEP § 201.11.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1-3 and 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Bonet et al. (US, 6,034,562, hereinafter, "Bonet").

Regarding claim 1, Bonet discloses, in Fig. 2, a method of reducing power consumption in an integrated circuit (col. 5, lines 49+) communication link (see 32, 34) having a logic circuitry (51, 60), the logic circuitry including supply-voltage-critical logic circuitry (60) and non-supply-voltage-critical logic circuitry (51), the method comprising the steps of:

synthesizing (see 50, 51, 60) the integrated circuit to identify the supply-voltage-critical logic circuitry (34; col. 4, lines 15+);

isolating (since 51 and 60 are separate circuits) the supply-voltage-critical logic circuitry from the non-supply-voltage-critical logic circuitry, the supply-voltage-critical logic circuitry being driven by a first supply voltage (V_{BAT} driving 43 that generates V_{DD}) and the non-supply-voltage-critical logic circuitry being driven by a second supply voltage (V_{DSP}), the first supply voltage being greater than the second supply voltage (col. 5, lines 32+, lines 53+);

embedding a voltage regulator (41) in the communication link for supplying the second voltage; and

selectively (direction selection depends on signal on 34 or signal on 32) interfacing the supply-voltage-critical logic circuitry with the non-supply-voltage-critical logic circuitry using level shifters (44).

Regarding claim 2, Bonet discloses, in Fig. 2, that wherein the first voltage is supplied to the communication link (see V_{BAT} generates V_{DSP} and V_{DD} via 41 and 43 to supply voltages to 51 and 60).

Regarding claim 3, Bonet discloses, in Fig. 2, that wherein the first voltage (V_{BAT}) is used to generate the second voltage (V_{DSP}) .

Claims 18 and 19 are the same in scope as claim 1 and are rejected similarly.

Regarding claim 20, Bonet discloses, in Fig. 2, that wherein the communication link is on a chip (col. 5, lines 49+), the chip having a multiplicity of communication links (see 32a, 32b, 34, and 35 in Fig. 1; and 35' in fig. 3), a plurality of the multiplicity of the communication links sharing the embedded voltage regulator (41; see col. 5, lines 30-51).

Allowable Subject Matter

Claims 4-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel D. Chang whose telephone number is (571) 272-1801. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rexford Barnie can be reached on (571) 272-7492. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Daniel D. Chang/ Primary Examiner, Art Unit 2819